



UNITED STATES PATENT AND TRADEMARK OFFICE

HD

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/809,058

03/25/2004

Steven E. Morris

GP-302973

6996

7590 06/18/2007
CHRISTOPHER DEVRIES
General Motors Corporation
Mail Code 482-C23-B21
P.O. Box 300
Detroit, MI 48265-3000

EXAMINER

WEISKOPF, MARIE

ART UNIT

PAPER NUMBER

3661

MAIL DATE

DELIVERY MODE

06/18/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/809,058	Applicant(s) MORRIS ET AL.	
	Examiner Marie A. Weiskopf	Art Unit 3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 10-18 and 23-27 is/are rejected.
- 7) ☒ Claim(s) 6-9 and 19-22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 7, 20 and 27 are objected to because of the following informalities:
 - In regard to claims 7 and 20, it appears as if these claims should depend from their preceding claims, 6 and 19 respectively and not the independent claim. Claims 7 and 20 lack antecedent basis for "said second event" in line 2.
 - In regard to claim 27, Examiner assumes claim 27 should depend from claim 15 and not claim 1 since claim 27 is the same wording as claim 14 and would not further define the invention over claim 14.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
3. Claim 1 recites the limitation "said first output signal" in lines 9 and 13. There is insufficient antecedent basis for this limitation in the claim. It appears as if in line 7, the "second output signal" should actually be the "first output signal", however, Examiner is unclear as to whether there are two output signals or one. In terms of the rejection, Examiner assumes there is one output signal in the claim.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Art Unit: 3661

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-4, 12-17, and 25-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Silvester (US 2003/0236600). Silvester discloses a PC-based automobile owner's manual diagnostics and auto care comprising:

- In regard to claim 1, an apparatus arranged to produce owners manual information related to operation of a vehicle, comprising:
 - A display system (paragraph 18)
 - An input device that is configured to generate a first control signal in response to actuation by an operator of the vehicle (paragraphs 41-44)
 - A control module that is configured to sense an event of the vehicle and generate a first output signal corresponding to the event (paragraphs 41-44)
 - A display control module configured to receive the first control signal generated by the input device and the first output signal generated by the control module, the display control module further configured to control the display system in order to produce a visual representation of the owners manual information related to operation of the vehicle in response to the first control signal and the first output signal (paragraphs 41-44)
- In regard to claim 2, wherein the display system has a surface and the input device is a touch screen associated with the surface (paragraph 25)

- In regard to claim 3, wherein the display control module comprises at least one microprocessor (paragraphs 41-44)
- In regard to claim 4, wherein the visual representation of the owners manual information related to operation of the vehicle is vehicle specific information and the apparatus further comprising a system that is configured to receive the vehicle specific information and produce the vehicle specific information in response to the control signal and the output signal (paragraphs 41-44)
- In regard to claim 12, wherein the owners manual information related to operation of the vehicle is information related to tire pressure of the vehicle and the event is sensing the tire pressure. (paragraphs 20 and 27)
- In regard to claim 13, wherein the first control signal is generated in response to actuation of the input device to select a tire pressure (paragraph 27)
- In regard to claim 14, wherein the owner's manual information related to operation of the vehicle is information related to lubricating an engine of the vehicle (paragraph 20)
- In regard to claim 15, a method for producing owners manual information related to operation of a vehicle, comprising the steps of:
 - Generating a first control signal in response to actuation of an input device by an operator of the vehicle (paragraphs 41-44)
 - Generating a first output signal upon sensing an event of the vehicle (paragraphs 41-44)

- Controlling a display system in order to produce a visual representation of the owners manual information related to the operation of the vehicle in response to the first control signal and the first output signal (paragraphs 41-44)
- In regard to claim 16, wherein the display system has a surface and the input device is a touch screen associated with the surface (paragraph 18)
- In regard to claim 17, wherein the visual representation of the owners manual information related to operation of the vehicle is vehicle specific information and the method further comprises the steps of controlling the display system in order to produce the vehicle specific information in response to the first control signal and the first output signal (paragraphs 41-44)
- In regard to claim 25, wherein the owners manual information related to operation of the vehicle is information related to tire pressure of the vehicle and the event is sensing the tire pressure (paragraphs 20 and 27)
- In regard to claim 26, wherein the generating the first control signal is conducted in response to actuation of the input device to select a tire pressure (paragraph 27)
- In regard to claim 27, wherein the owners manual information related to operation of the vehicle is information related to lubricating an engine of the vehicle (paragraph 20)

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5, 10-11, 18 and 23-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Silvester in view of Obradovich et al (US 6,009,355).

- In regard to claims 5 and 18, Silvester fails to disclose further comprising an audio system that is configured to produce an audio representation of the owners manual information related to operation of the vehicle in response to the first control signal and the first output signal, however, it is well known in the art to have visual and audio representation of data, as taught by Obradovich et al (Column 5, lines 1-10) It would have been obvious to one having ordinary skill in the art at the time of the invention to include audio representation of the data in order to provide the user with whatever means is easier for them to receive the information, either by hearing or reading it.
- In regard to claims 10-11 and 23-24, Silvester fails to disclose specifically wherein the information related to the operation of the vehicle is information related to adjustment of a vehicle clock and wherein the first output signal corresponds to identification of a location of the vehicle and the display control module is configured to control the display in order to produce the visual representation of the owners manual information related to adjustment of the

Art Unit: 3661

vehicle clock when the output signal indicates a time zone change. Obradovich et al discloses having a clock interface related to the owners manual information (Column 8, lines 12-18). Further, Obradovich comprises a navigation system which is capable of determining the location of the vehicle (Column 16, lines 38-63) It would have been obvious to one having ordinary skill in the art at the time of the invention to have the clock information in the owners manual and allow the operator to receive that information and further, with the teachings of Obradovich and having a navigation system and logging the location, it would then have been obvious to remind the user how to update the time if a time zone had been changed.

Allowable Subject Matter

5. Claims 6-9 and 19-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: the prior art, individually or in combination, fails to disclose, teach or suggest wherein the control module is configured to sense a second and a third event and generate a second and third output signal corresponding to the second and third event and the display control module further configured to receive the output signals in order to produce the visual representation of the owners manual information. Further, the prior art, individually or in combination, fails to disclose, teach or suggest wherein the

event is specifically an opening of a door and the second event is a number of miles driven by the vehicle less than a predetermined threshold.

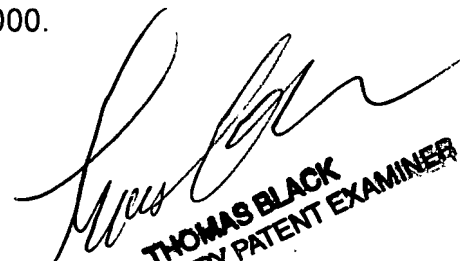
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marie A. Weiskopf whose telephone number is (571) 272-6288. The examiner can normally be reached on Monday-Thursday between 7:00 AM and 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MW



THOMAS BLACK
SUPERVISORY PATENT EXAMINER